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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

Complete If Known

Application Number	10/796,207
Filing Date	03/10/2004
First Named Inventor	Kato, et al.
Art Unit	1753
Examiner Name	TBD

Attorney Docket Number 520.30414C55

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KSO		US- 5,536,128	7/16/1996	Shimoyashiro, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
KSO		JP 64-036042	2/7/1989	Kokusai Electric Co., Ltd.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KSO		S. Nakagawa, "Dry Etching", Drafts in Symposium of VLSI and FA Technology, April 1985, pages 1-14	
KSO		N. Nagai, "Parallel-Implantation Ion Implantation Device "NH-20SP"" , Special Issue/Semiconductor Manufacturing Device of Half-Micron Age, pages 1-12, 3/1990	

Examiner
Signature

KSO/Malley

Date
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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

503.30414C55

APPLICATION NO.

TBD

APPLICANT
KATO, et al.FILING DATE
March 10, 2004EXPECTED GROUP
3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
KSO	3	6	5	2	4	4	4	2-72	Lester, et al.			
	3	9	8	1	7	9	1	9-76	Rosvoid			
	4	2	2	6	8	9	7	10-80	Coleman			
	4	3	1	1	4	2	7	1-82	Coad, et al.			
	4	3	1	3	8	1	5	2-82	Graves, Jr. et al.			
	4	4	4	9	8	8	5	5-84	Hertel, et al.			
	4	4	5	7	6	6	1	7-84	Flint, et al.			
	4	5	3	4	3	1	4	8-85	Ackley			
	4	5	6	3	2	4	0	1-86	Shibata, et al.			
	4	6	3	4	3	3	1	1-87	Hertel			
	4	7	0	5	9	5	1	11-87	Layman, et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	TRANSLATION	
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KSO	6 2	8 9 8 8 1	4-87	Japan			X
	6 2	2 0 7 8 6 6	9-87	Japan			X
	1 3 1 9 7 0	2-89	Japan				X
	1 3 1 9 7 1	2-89	Japan				X
	6 3 6 5 8 2	1-89	Japan				X
	1 1 3 5 0 1 5	5-89	Japan				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KSO	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan./Feb. 1977, pages 278-280.
	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment", front, table, page 183, back, Nov. 20, 1987.
	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/ translation).

EXAMINER *KSO/Malley*

DATE CONSIDERED

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								503.30414C55	TBD	
								APPLICANT KATO, et al.		
								FILING DATE March 10, 2004	EXPECTED GROUP 3749	

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EXAMINE R INITIAL		DOCUMENT NUMBER							DATE	NAME	CLAS S	SUBCL ASS	FILING DATE IF APPROPRIATE	
		4	7	1	5	7	6	4						
		4	8	5	1	1	0	1	7-89	Hutchinson				
		4	8	3	6	7	3	3	6-89	Hertel, et al.				
		4	8	3	6	9	0	5	6-89	Davis, et al.				
		4	8	9	5	1	0	7	1-90	Yano, et al.				
		4	9	0	2	9	3	4	2-90	Miyamura, et al.				
		4	9	0	3	9	3	7	2-90	Jakuniec, et al.				
		4	9	0	9	6	9	5	3-90	Hurwitt, et al.				
		4	9	1	1	5	9	7	3-90	Maydan, et al.				
		4	9	1	5	5	6	4	4-90	Eror, et al.				
		4	9	1	7	5	5	6	4-90	Stark, et al.				

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		2	6	5	2	5	2	3-90		Japan			X	
		6	4	1	2	0	3	7	1-89	Japan			X	
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		1	3	1	0	5	5	3	12-89	Japan			X	
		1	2	5	1	7	3	4	10-89	Japan			X	
		6	2	4	4	5	7	1	2-87	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *K80 Malley*

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<p>FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO. 520-30414C55</p> <p>APPLICANT KATO, et al.</p> <p>Filed: 03/10/04</p>	<p>APPLICATION NO. TBD</p> <p>EXPECTED GROUP 3749</p>
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EXAMINER KSO'Malley

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
KSB	4	9	2	4	8	9	0	5-90	Giles, et al.	134	902		
	4	9	3	6	3	2	9	6-90	Michael, et al.	134	902		
	5	0	1	4	2	1	7	5-91	Savage	364	550		
	5	0	0	7	9	8	1	4-91	Kawasaki, et al.				
	4	1	3	8	3	0	6	2-79	Niwa	156	345		
	4	5	7	6	6	9	8	3-86	Gallagher, et al.	204	192		
	5	0	1	4	2	1	7	5-91	Savage	364	498		
	5	3	5	1	4	1	5	10-94	Brooks, et al.	34	389		
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	4	8	2	4	3	0	9	4-89	Kakehi, et al.	414	217		
	4	9	5	1	6	0	1	8-90	Maydan, et al.	414	217X		

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	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION		
	YES	NO												
KSB	2	0	3	8	1	3	3	8	5-90	Europe				
	6	4	1	2	0	3	7	1-89	Japan					
	4	3	0	5	4	9	9	4-92	Japan					
	8	7	0	7	3	0	9	5-87	PCT Int'l Appl					
	2	9	4	6	4	7	4	4-90	Japan					
	6	0	2	4	6	6	3	5	12-85	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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ATTY. DOCKET NO.
520.30414C55

APPLICATION NO.
TBD

APPLICANT
KATO, et al.

Filed:
03/10/04

EXPECTED GROUP
3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
KSD	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
	5 2 9 2 3 9 3	3-94	Maydan, et al.			
	5 4 5 2 1 6 6	9-95	Aylwin, et al.			
	5 5 0 4 0 3 3	4-96	Bajor, et al.			
	5 5 0 4 3 4 7	4-96	Jovanovic, et al.			
	5 5 5 6 7 1 4	8-96	Fukuyama, et al.			
	5 6 5 1 6 5 8	7-97	Lin			
	5 6 7 5 4 6 1	10-97	Aylwin, et al.			
	4 3 1 3 7 8 3	2-82	Davies, et al.			
	4 3 1 8 7 6 7	3-82	Hijikata, et al.			
	4 9 6 9 7 9 0	11-90	Petz, et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
						YES	NO
KSD	6 2 5 0 4 6 3	3-87	Japan				X
	2 1 0 6 0 3 7	4-90	Japan				X
	5 7 2 9 5 7 7	2-82	Japan				X
	6 3 1 5 3 2 7 0	6-88	Japan				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *KSD/Malley*

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT KATO, et al.		
		Filed: 03/10/04	GROUP 3749	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AV	JP patent No. 3147230, Notice of Reasons for Revocation 12-18-01 (TR)
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Examiner	KSB Mally	Date Considered
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* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
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FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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	AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
	AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
	AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
	AZ	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)

Examiner:	Date Considered
KSO Mallery	7/23/04

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	AV	EP98106162, Office action 11-2000
	AW	EP98106162, Office action 6-2001
	AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
	AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
	AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)

Examiner

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Date Considered

7/23/04

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
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	AV	EP91307625, Communication of a notice of opposition 11-19-98
	AW	EP91307625, Interlocutory decision in Opposition proceeding, 5-16-00
	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
	AY	EP97111628, Office action 12-1999
	AZ	EP97111628, Office action 11-2000

Examiner <i>KM</i> Mally	Date Considered <i>7/23/04</i>
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* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
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KS	AU	JP application No. 11-001263, Notification of Reasons for Refusal 2-2-00 (TR)
	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
	AZ	BP91307625, Office Action 10-11-93

Examiner

KSO'Malley

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
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AN	2-224242	9-6-90	Japan			PTR	
AO	58-108641	6-28-83	Japan			ABS	
AP	1-120811	5-12-89	Japan			ABS	
AQ	61-250185	11-7-86	Japan			ABS	
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AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)		
AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)		
AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)		
AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)		
AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)		
AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)		

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KO	AM 2-178946	7-11-90	Japan			PTR/ABS	
KO	AN 62-132321	6-15-87	Japan			PTR/ABS	
AO	63-131123	8-26-88	Japan			PTR	
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AQ	0381338	8-8-90	Europe				
AR	0246453	11-25-87	Europe				
AS	2-65252	3-5-90	Japan			PTR	
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KO	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
	AX	JP application No. 8-335329, Interview Record (TR)
	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)

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						Yes	No
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